

Mountain Valley Pipeline, LLC

v.

Easements to Construct, etc., et al.

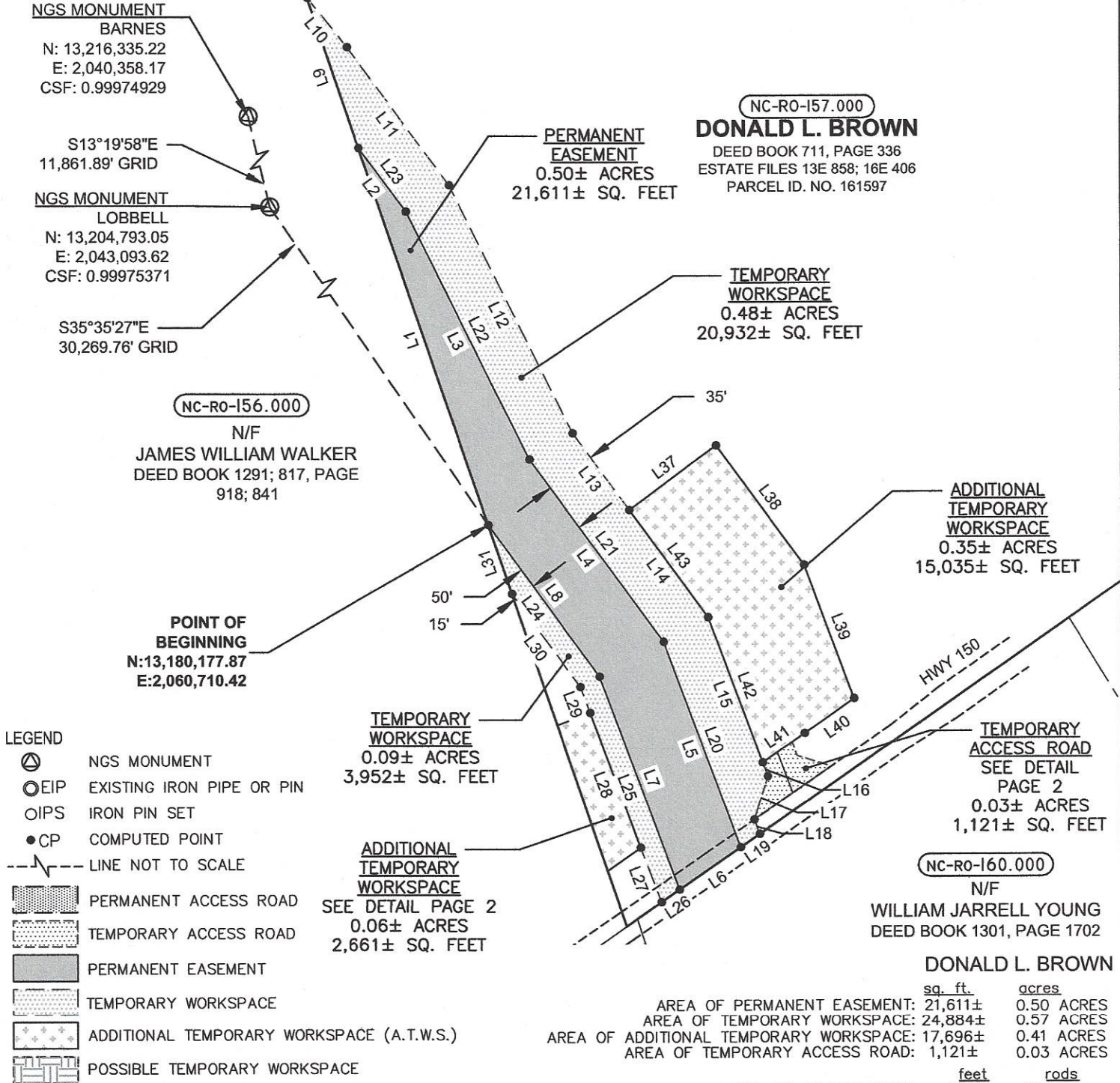
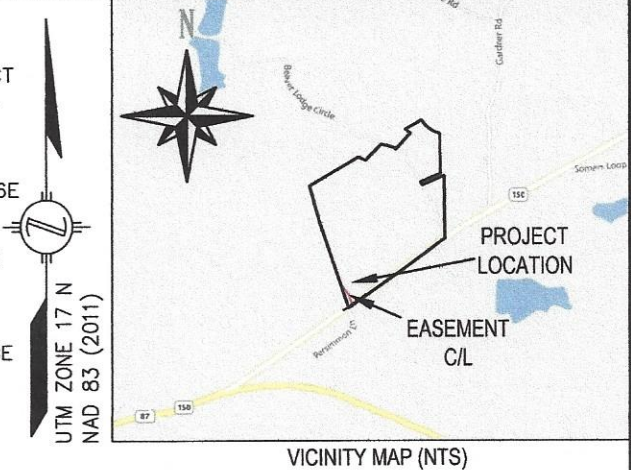
## **Exhibit 78 to Complaint**

Map of MVP Parcel No. NC-RO-157.000

NOTES

1. ALL DISTANCES SHOWN HEREON ARE HORIZONTAL GRID DISTANCES, A PROJECT SCALE FACTOR (PSF) OF 0.99979557 WAS ESTABLISHED FOR THIS PROJECT. TO OBTAIN GROUND DISTANCE, DIVIDE THE DISTANCE SHOWN BY THE PSF.
2. AREAS DETERMINED BY COORDINATE METHOD.
3. AREAS SHOWN ARE SUBJECT TO EASEMENT OF RECORD.
4. RECORD REFERENCES: DEED BOOK 711, PAGE 336; ESTATE FILES 13E 858, 16E 406
5. PARCEL ID: 161597
6. PROPERTY LINES SHOWN ARE BASED ON EXISTING DEEDS, PLATS AND VISIBLE MONUMENTATION DISCOVERED ALONG PROJECT AREA.
7. THIS SURVEY IS REFERENCED TO THE UTM ZONE 17 N, NAD 83 (2011).
8. ALL CORNERS ARE AS NOTED.
9. THIS PLAT IS FOR EASEMENT ACQUISITION PURPOSES ONLY AND IS NOT TO BE CONSIDERED A BOUNDARY SURVEY OF THE PARENT TRACT.
10. TEMPORARY EASEMENT TO BE ACQUIRED.

EXHIBIT A



I, Thomas Warner Kimmel, certify that this plat is of a PERMANENT EASEMENT for a public utility as defined in GS 62-3; that this plat was drawn under my supervision from an actual survey performed under my supervision (deed description recorded in deed book 711, page 336; ESTATE FILES 13E 858; 16E 406); that the ratio of precision as calculated is 1:10,000±; that the Global Positioning System (GPS) observations were performed to the Geospatial Positioning Accuracy Standards, Part 2: Standards for Geodetic Networks at the Class "A" accuracy classification (95% confidence) using RTK/VRS networks and traditional traverses.

That this plat meets the requirements of G.S. 47-30 section (f)(11)(c).

This 23rd day of June, 2020

THOMAS WARNER KIMMEL, PLS L 3674

LAND OWNER INITIALS: \_\_\_\_\_

DATE: \_\_\_\_\_

TRC ENGINEERS, INC  
2200 LIBERTY AVENUE,  
SUITE 100  
PITTSBURGH, PA 15222  
PH: (724) 749-8572 tkimmel@trcsolutions.com  
NC CORPORATE LICENSE No. F-0591



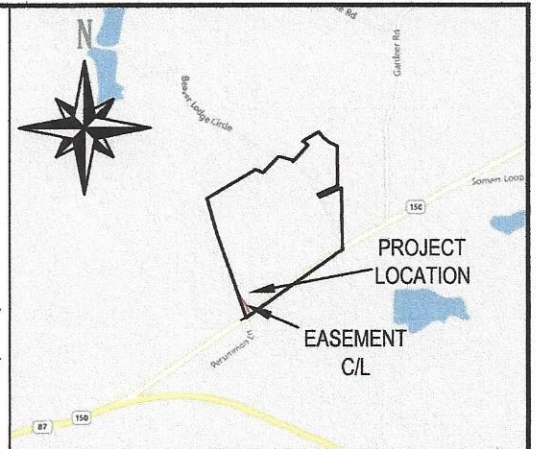
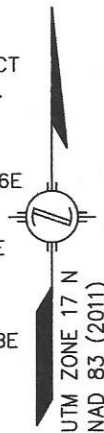
EASEMENT SURVEY FOR MVP SOUTHGATE TOWNSHIP OF WILLIAMSBURG ROCKINGHAM COUNTY, NORTH CAROLINA				
<b>Mountain Valley</b> PIPELINE, LLC				
PIPELINE EASEMENT IN PROPERTY OF DONALD L. BROWN				
NC-RO-157.000 DEED BOOK 711, PAGE 336; ESTATE FILES 13E 858; 16E 406				
Drawn By:	Chk'd By:	App'd By:	TRC Proj. No.	Scale:
AHP	DD	TWK	300423	1"=100'
Drawn Date:	1/21/19		Sheet:	MVP Proj. No.
			1 OF 3	
50 0 50 100 GRAPHIC SCALE IN FEET				
REVISIONS				
A	1/21/2019		ISSUE FOR REVIEW	
1	5/18/20	MSF	GENERAL REVISIONS	TWK
No.	Date	Rev By	Description	Checked



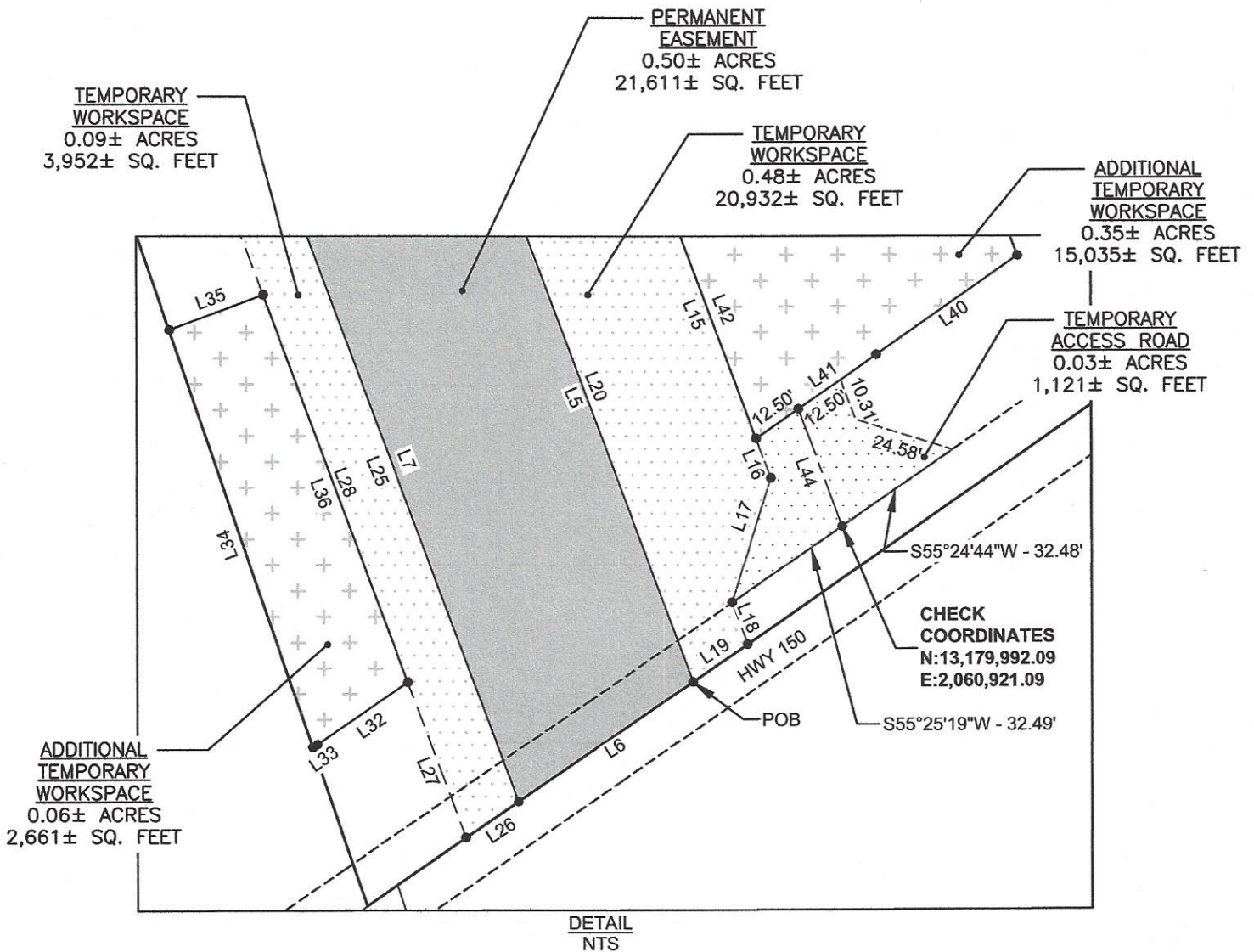
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EXHIBIT A



VICINITY MAP (NTS)



LEGEND

- ⊙ NGS MONUMENT
- ⊙ EIP EXISTING IRON PIPE OR PIN
- IPS IRON PIN SET
- CP COMPUTED POINT
- LINE NOT TO SCALE
- ▨ PERMANENT ACCESS ROAD
- ▨ TEMPORARY ACCESS ROAD
- ▨ PERMANENT EASEMENT
- ▨ TEMPORARY WORKSPACE
- ▨ ADDITIONAL TEMPORARY WORKSPACE (A.T.W.S.)
- ▨ POSSIBLE TEMPORARY WORKSPACE

LAND OWNER INITIALS: \_\_\_\_\_  
DATE: \_\_\_\_\_

SEE SHEET 1 FOR LAND SURVEYOR'S CERTIFICATE

SEE SHEET 3 OF 3 FOR LINE TABLES



EASEMENT SURVEY  
FOR MVP SOUTHGATE  
TOWNSHIP OF WILLIAMSBURG  
ROCKINGHAM COUNTY, NORTH CAROLINA



PIPELINE EASEMENT IN PROPERTY OF  
DONALD L. BROWN

NC-RO-157.000  
DEED BOOK 711, PAGE 336; ESTATE FILES 13E 858; 16E 406

Drawn By: AHP	Chk'd By: DD	App'd By: TWK	IRC Proj. No. 300423	Scale: N.T.S.
Drawn Date: 1/21/19			Sheet: 2 OF 3	MVP Proj. No.

REVISIONS				
A	1/21/2019		ISSUE FOR REVIEW	
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EXHIBIT A

PERMANENT EASEMENT		
LINE TABLE		
LINE	BEARING	DISTANCE
L1	N18°54'46"W	275.95'
L2	S36°34'02"E	55.03'
L3	S26°28'11"E	191.60'
L4	S36°16'55"E	156.42'
L5	S20°25'09"E	152.21'
L6	S55°34'07"W	51.53'
L7	N20°25'09"W	157.72'
L8	N36°16'55"W	129.92'

TEMPORARY WORKSPACE		
LINE TABLE		
LINE	BEARING	DISTANCE
L9	N18°54'46"W	109.49'
L10	S38°54'57"E	43.79'
L11	S36°34'03"E	118.70'
L12	S26°28'10"E	191.69'
L13	S36°16'55"E	65.99'
L14	S36°16'55"E	92.31'
L15	S20°25'09"E	107.33'
L16	S20°25'09"E	10.21'
L17	S17°30'00"W	31.56'
L18	S20°26'00"E	10.77'
L19	S55°34'07"W	16.09'
L20	N20°25'09"W	152.21'
L21	N36°16'55"W	156.42'
L22	N26°28'11"W	191.60'
L23	N36°34'02"W	55.03'
L24	S36°16'55"E	129.92'
L25	S20°25'09"E	157.72'
L26	S55°34'07"W	15.46'
L27	N20°25'09"W	40.32'
L28	N20°25'10"W	100.00'
L29	N20°25'09"W	19.06'
L30	N36°16'55"W	79.87'
L31	N18°54'46"W	50.25'

ADDITIONAL TEMPORARY WORKSPACE		
LINE TABLE		
LINE	BEARING	DISTANCE
L32	S55°11'20"W	26.67'
L33	S55°11'15"W	1.37'
L34	N18°54'46"W	107.01'
L35	N69°34'51"E	24.35'
L36	S20°25'10"E	100.00'
L37	N53°43'04"E	75.00'
L38	S36°16'54"E	102.76'
L39	S20°25'09"E	98.53'
L40	S55°11'19"W	41.80'
L41	S55°11'19"W	35.63'
L42	N20°25'09"W	107.33'
L43	N36°16'55"W	92.31'

TEMPORARY ACCESS ROAD		
LINE TABLE		
LINE	BEARING	DISTANCE
L44	S20°25'09"E	30.26'

SEE SHEETS 1-2 OF 3 FOR GRAPHICS AND LABELS



LAND OWNER INITIALS: \_\_\_\_\_  
DATE: \_\_\_\_\_

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SEE SHEET 1 FOR LAND SURVEYOR'S CERTIFICATE